

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

**In re application of:** W. Thomas Novak

**Application No.** Not yet assigned

**Filed:** Concurrently herewith

**Confirmation No.**

**For:** ADAPTIVE-OPTICS ACTUATOR  
ARRAYS AND METHODS FOR USING  
SUCH ARRAYS

**Examiner:** Not yet assigned

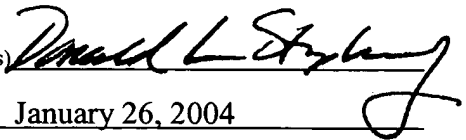
**Art Unit:** Not yet assigned

**Attorney Reference No.** 6500-65537

CERTIFICATE OF MAILING

I hereby certify that this paper and the documents referred to as being attached or enclosed herewith are being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: COMMISSIONER FOR PATENTS, P.O. BOX 1450, ALEXANDRIA, VA 22313-1450 on the date shown below.

Attorney  
for Applicant(s)



Date Mailed January 26, 2004

**INFORMATION DISCLOSURE STATEMENT  
PURSUANT TO 37 C.F.R. § 1.97(b)(3)**

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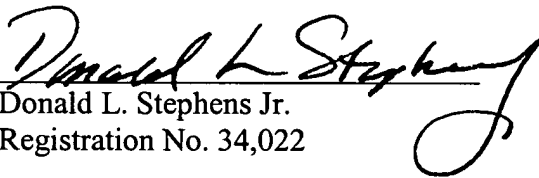
Listed on the accompanying form PTO-1449 and enclosed herewith are several English-language documents. Applicant respectfully requests that these documents be listed as references cited on the issued patent.

Applicant filed this Information Disclosure Statement ("IDS") before the mailing date of a first Office action on the merits. As a result, no fee should be required to file this IDS. However, if the Patent Office determines that a fee is required for Applicant to file this IDS, please charge any such fees, or credit overpayment, to Deposit Account No. 02-4550. A **duplicate** copy of this Information Disclosure Statement is enclosed.

The filing of this IDS shall not be construed to be an admission that the information cited in the statement is, or is considered to be, prior art or otherwise material to patentability as defined in 37 C.F.R. §1.56.

Respectfully submitted,

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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>		<b>Attorney Docket Number</b>	6500-65537	
		<b>Application Number</b>	Not yet assigned	
		<b>Filing Date</b>	Concurrently Herewith	
		<b>First Named Inventor</b>	Novak	
		<b>Art Unit</b>	Not yet assigned	
		<b>Examiner Name</b>	Not yet assigned	
<b>U.S. PATENT DOCUMENTS</b>				
<b>Examiner's Initials*</b>	<b>Cite No. (optional)</b>	<b>Number</b>	<b>Date</b>	<b>Name</b>
		6,236,490	22-May-2001	Shen
		US 2004/0013956 A1	22-Jan-2004	Sogard
<b>Examiner's Initials*</b>	<b>Cite No. (optional)</b>	<b>OTHER DOCUMENTS</b>		
		John W. Hardy, "Active Optics: A New Technology for the Control of Light," IEEE, Vol. 66, No. 6, June 1978, pages 651-697.		
		Mark A. Ealey, "Active and Adaptive Optical Components: The Technology and Future Trends," SPIE, Vol. 1543, Active and Adaptive Optical Components, 1991, pages 2-34.		
		Mark A. Ealey, "Actuators: Design Fundamentals, Key Performance Specifications and Parametric Trades," SPIE Vol. 1543, Active and Adaptive Optical Components, 1991, pages 346-362.		
		Mark A. Ealey and John A. Wellman, "Deformable Mirrors: Design Fundamentals, Key Performance Specifications, and Parametric Trades," SPIE, Vol. 1543, Active and Adaptive Optical Components, 1991, pages 36-51.		
		Julie A. Perreault et al., "Adaptive Optic Correction Using Microelectromechanical Deformable Mirrors," Optical Engineering, Vol. 41, No. 3, March 2002, pages 561-566.		
		D.A. Tichenor et al., "EUV Engineering Test Stand," 25 <sup>th</sup> Annual International Symposium on Microlithography, February 14, 2000, 22 pages		
		L.C. Hale et al., "High-NA Camera for an EUVL Microstepper," 15 <sup>th</sup> Annual American Society for Precision Engineering, Scottsdale, September 1, 2000, 6 pages.		

<b>EXAMINER SIGNATURE:</b>	<b>DATE CONSIDERED:</b>
<p>* Examiner: Initial if reference considered, whether or not in conformance with MPEP 609. Draw line through cite if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>	